



Alabama
Department of Labor

Labor Market Information
James Henry, Division Director

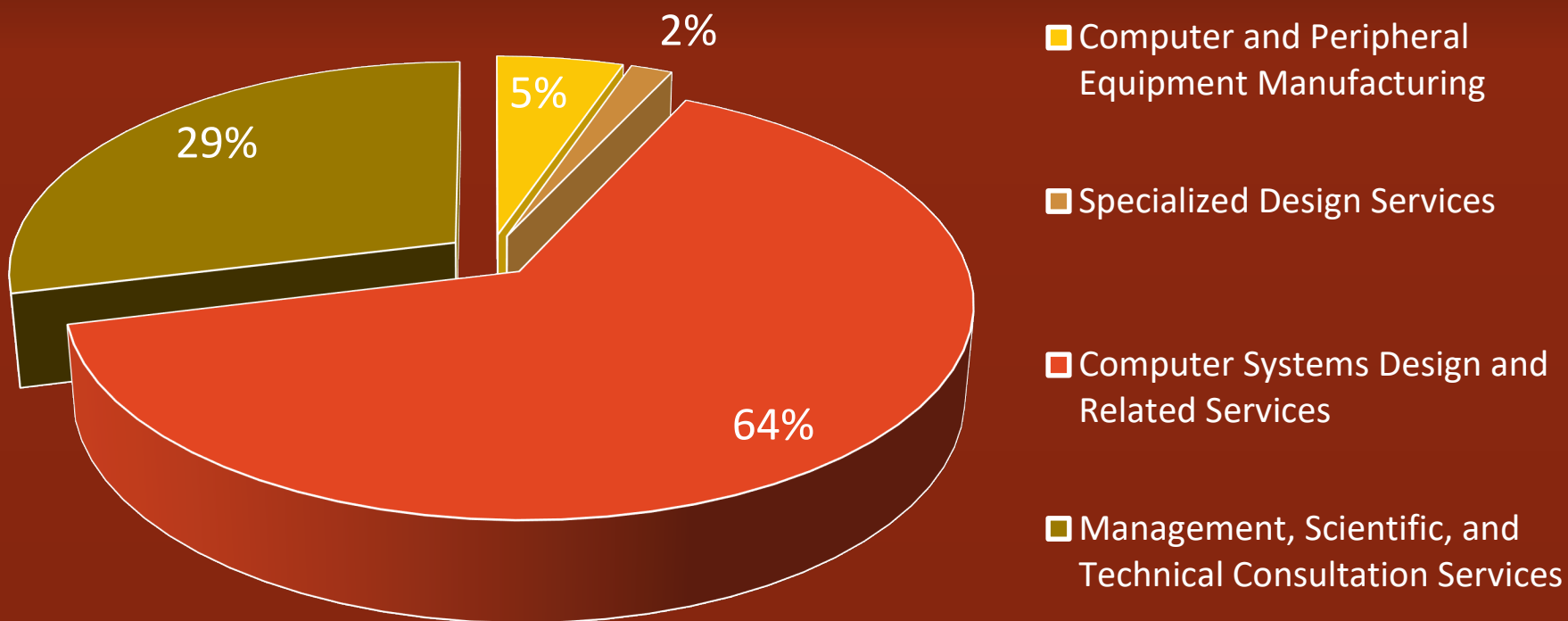


Accelerate Alabama Information Technology

Alabama Department of Labor
Labor Market Information Division



Alabama Information Technology Employment by Industry Sectors





Alabama Information Technology Industry Overview

Sector	# of Companies	# Employed
Computer and Peripheral Equipment Manufacturing	15	1,941
Specialized Design Services	231	641
Computer Systems Design and Related Services	2,464	23,646
Management, Scientific, and Technical Consultation Services	2,332	10,636



Computer and Peripheral Equipment Manufacturing

3341 Computer and Peripheral Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers; and computer peripheral equipment, such as storage devices, printers, monitors, input/output devices and terminals. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following: (1) store the processing program or programs and the data immediately necessary for the execution of the program; (2) can be freely programmed in accordance with the requirements of the user; (3) perform arithmetical computations specified by the user; and (4) execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run. Analog computers are capable of simulating mathematical models and comprise at least analog, control, and programming elements.

15 companies; 1,941 employed;
5% of IT Industry Employment

# of Employees	% of Companies
1-49	69%
50-99	6%
100-249	6%
250+	19%

Source: Quarterly Census of Employment and Wages, 2016 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 11% Software Developers, Systems Software
- 7% Computer Hardware Engineers
- 6% Market Research Analysts and Marketing Specialists
- 4% Software Developers, Applications
- 4% Computer and Information Systems Managers

Source: 2017 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics.



Computer and Peripheral Equipment Manufacturing

Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	*	\$3,412	\$3,389	*
2 – 3 Years	*	*	*	*
4 – 5 Years	*	*	\$2,987	*
6 – 10 Years	16	*	*	6.5%
11+ Years	1,712	\$4,638	\$3,045	4.3%
All Firm Ages	1,740	\$4,683	\$3,068	4.4%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2016 annual average data shown. **Data not available or marked confidential. Note: Data may not add due to rounding.*



Specialized Design Services

5414 Specialized Design Services

This industry comprises establishments primarily engaged in creating and developing designs and specifications that optimize the use, value, and appearance of their products. These services can include the determination of the materials, construction, mechanisms, shape, color, and surface finishes of the product, taking into consideration human characteristics and needs, safety, market appeal, and efficiency in production, distribution, use, and maintenance. Establishments providing automobile or furniture industrial design services or industrial design consulting services are included in this industry.

231 companies; 641 employed;
2% of IT Industry Employment

# of Employees	% of Companies
1-49	100%
50-99	0%
100-249	0%
250+	0%

Source: Quarterly Census of Employment and Wages, 2016 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 19% Interior Designers
- 11% Graphic Designers
- 7% General and Operations Managers
- 4% Commercial and Industrial Designers
- 4% Office Clerks, General

Source: 2017 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics.



Specialized Design Services Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	43	\$2,855	\$2,264	20.3%
2 – 3 Years	57	\$3,845	\$2,513	13.0%
4 – 5 Years	30	\$2,580	*	14.9%
6 – 10 Years	92	\$3,063	\$2,381	8.1%
11+ Years	357	\$3,810	\$2,831	6.9%
All Firm Ages	578	\$3,552	\$2,472	9.1%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2016 annual average data shown. **Data not available or marked confidential. Note: Data may not add due to rounding.*



Computer Systems Design and Related Services

5415 Computer Systems Design and Related Services

This industry comprises establishments primarily engaged in providing expertise in the field of information technologies through one or more of the following activities: (1) writing, modifying, testing, and supporting software to meet the needs of a particular customer; (2) planning and designing computer systems that integrate computer hardware, software, and communication technologies; (3) on-site management and operation of clients' computer systems and/or data processing facilities; and (4) other professional and technical computer-related advice and services.

2,464 companies; 23,646 employed;
64% of IT Industry Employment

# of Employees	% of Companies
1-49	96%
50-99	2%
100-249	1%
250+	1%

Source: Quarterly Census of Employment and Wages, 2016 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 13% Computer Programmers
- 9% Software Developers, Applications
- 8% Computer User Support Specialists
- 7% Software Developers, Systems Software
- 7% Computer Systems Analysts

Source: 2017 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics.



Computer Systems Design and Related Services Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	239	\$5,252	\$4,968	21.1%
2 – 3 Years	368	\$5,692	\$5,376	11.5%
4 – 5 Years	675	\$6,022	\$4,623	9.2%
6 – 10 Years	2,078	\$6,425	\$5,588	7.5%
11+ Years	18,575	\$6,900	\$5,276	5.9%
All Firm Ages	21,934	\$6,790	\$5,278	6.4%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2016 annual average data shown. **Data not available or marked confidential. Note: Data may not add due to rounding.*



Management, Scientific, and Technical Consultation Services

5416 Management, Scientific, and Technical Consultation Services

This industry comprises establishments primarily engaged in providing advice and assistance to businesses and other organizations on management issues, such as strategic and organizational planning; financial planning and budgeting; marketing objectives and policies; human resource policies, practices, and planning; production scheduling; and control planning.

2,332 companies; 10,636 employed;
29% of IT Industry Employment

# of Employees	% of Companies
1-49	98%
50-99	1%
100-249	0%
250+	0%

Source: Quarterly Census of Employment and Wages, 2016 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 14% Management Analysts
- 7% Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
- 6% General and Operations Managers
- 4% Inspectors, Testers, Sorters, Samplers, and Weighers
- 3% Bookkeeping, Accounting, and Auditing Clerks

Source: 2017 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics.



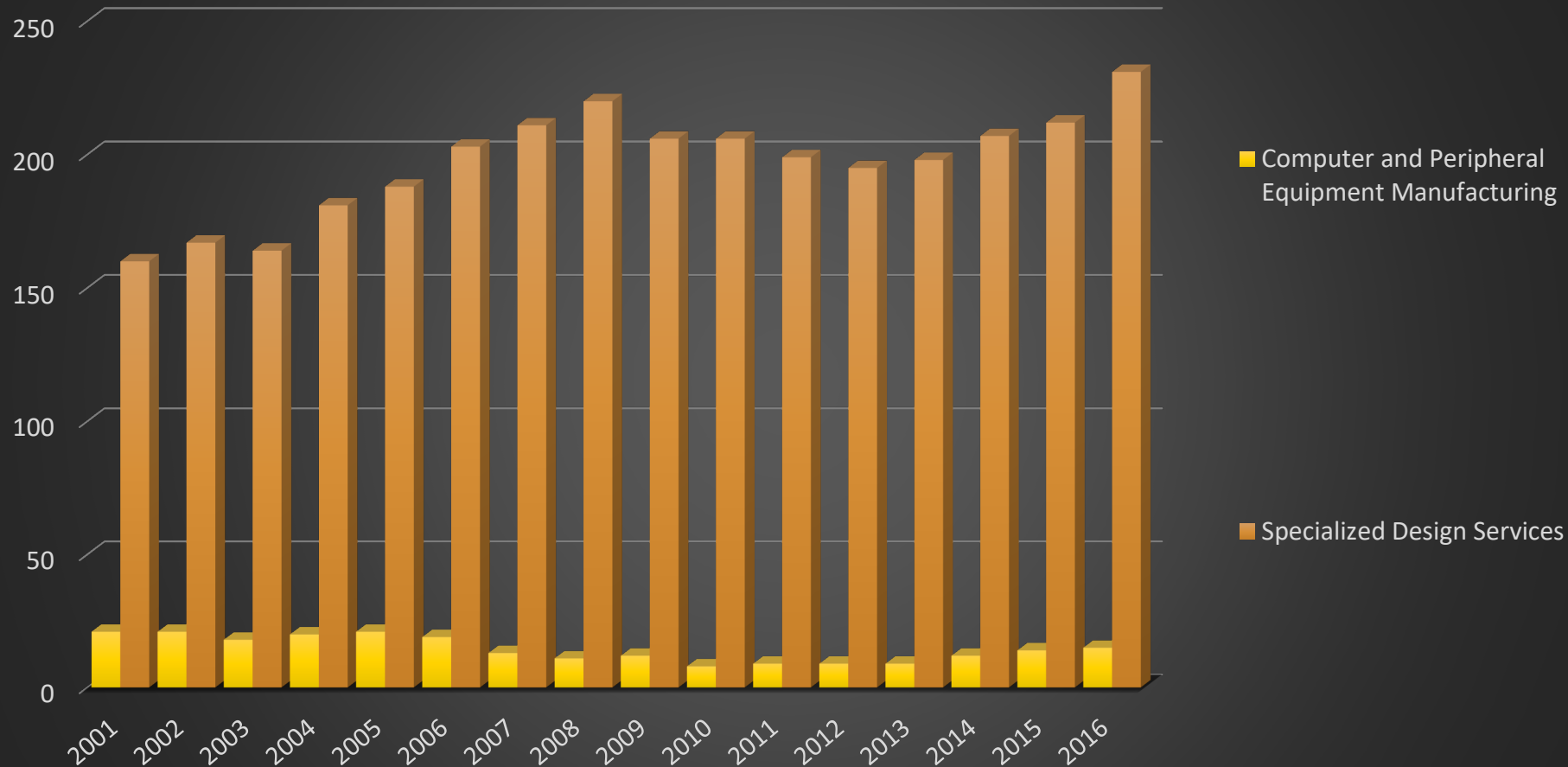
Management, Scientific, and Technical Consultation Services Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	431	\$4,252	\$3,403	19.6%
2 – 3 Years	608	\$4,898	\$3,348	13.6%
4 – 5 Years	787	\$5,112	\$3,731	11.4%
6 – 10 Years	988	\$5,136	\$3,787	10.5%
11+ Years	6,334	\$5,324	\$4,063	9.4%
All Firm Ages	9,149	\$5,208	\$3,875	10.4%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2016 annual average data shown. **Data not available or marked confidential. Note: Data may not add due to rounding.*

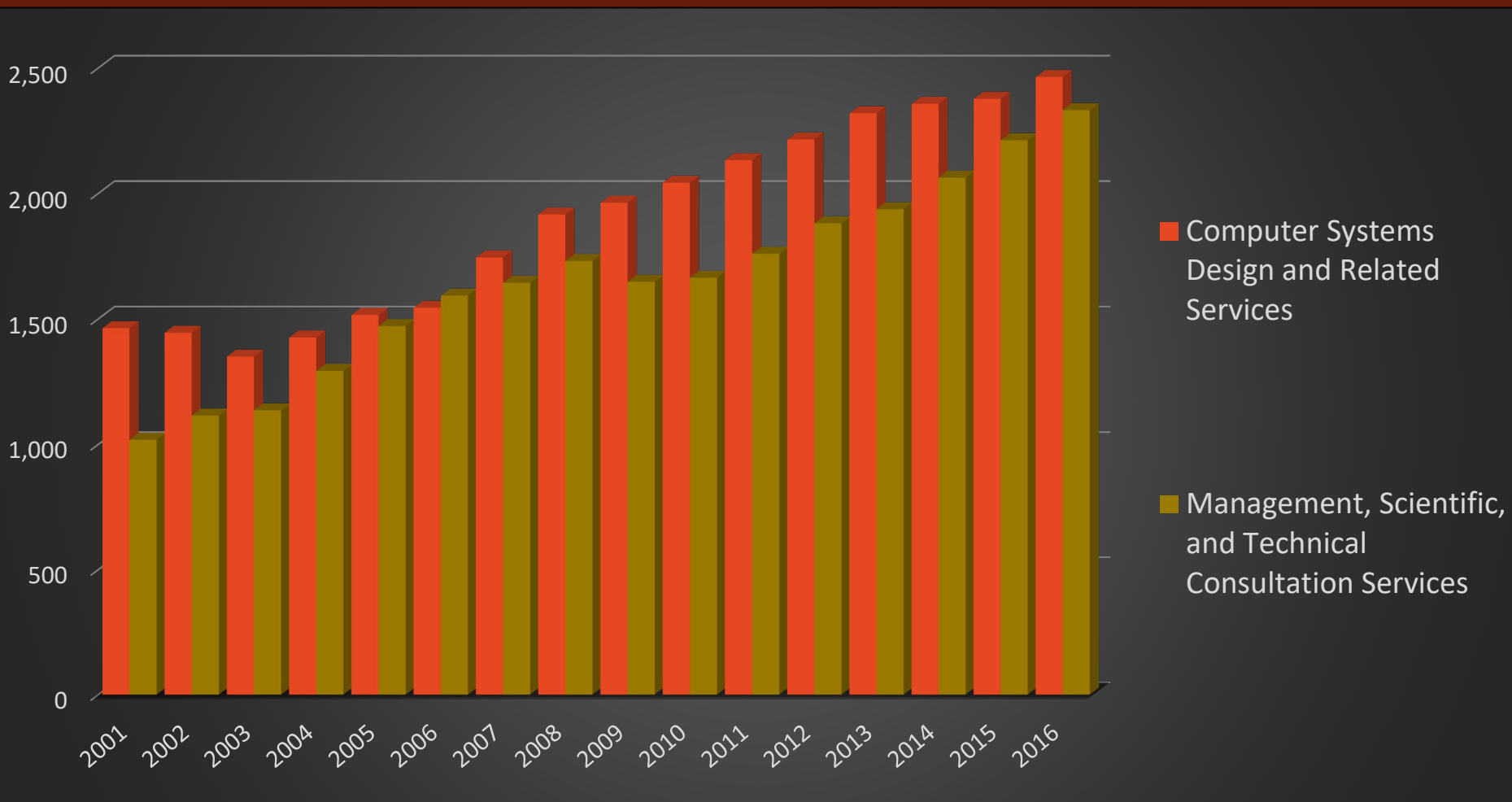


Development of Alabama's Information Technology Industry by Company



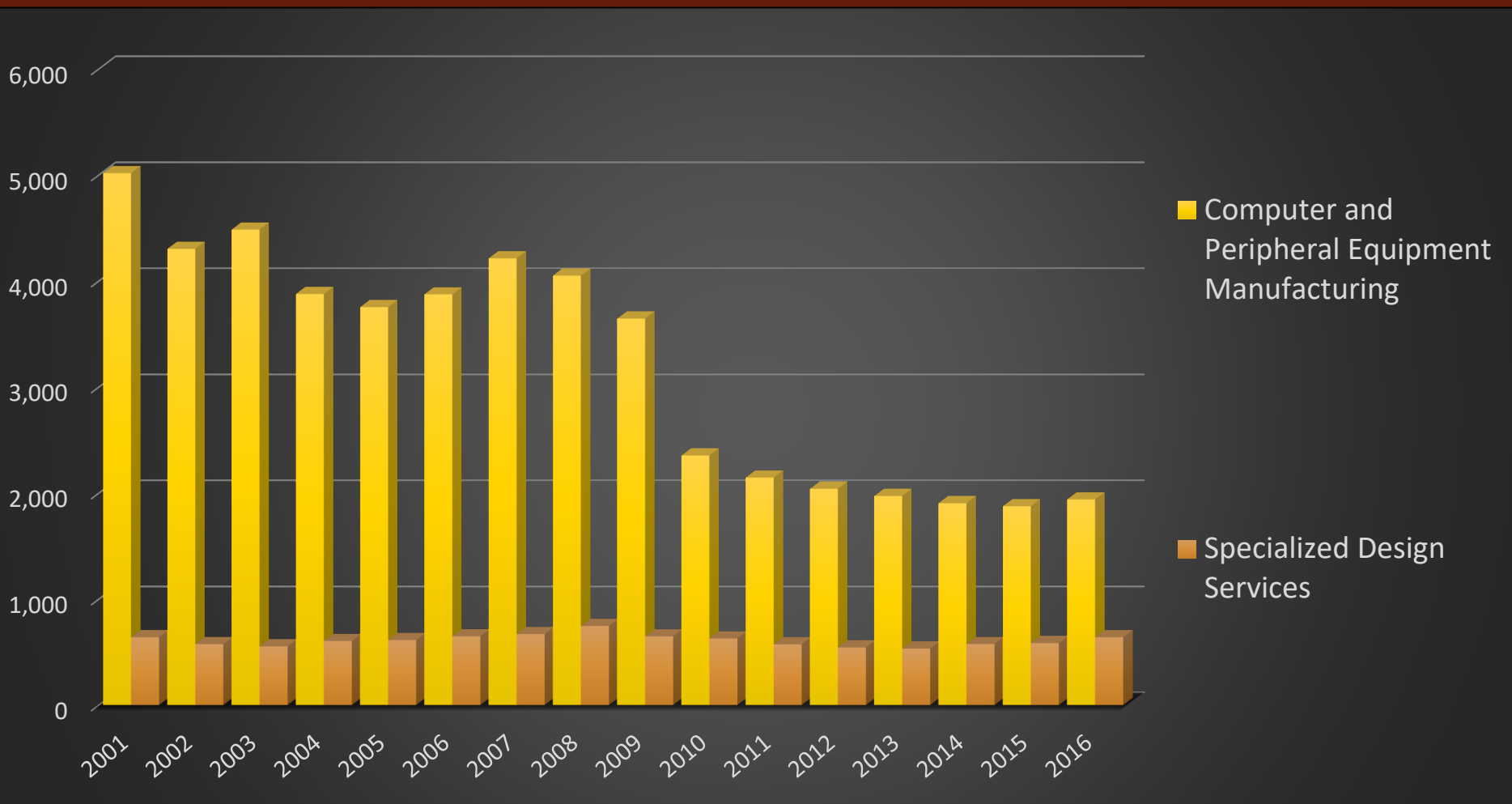


Development of Alabama's Information Technology Industry by Company



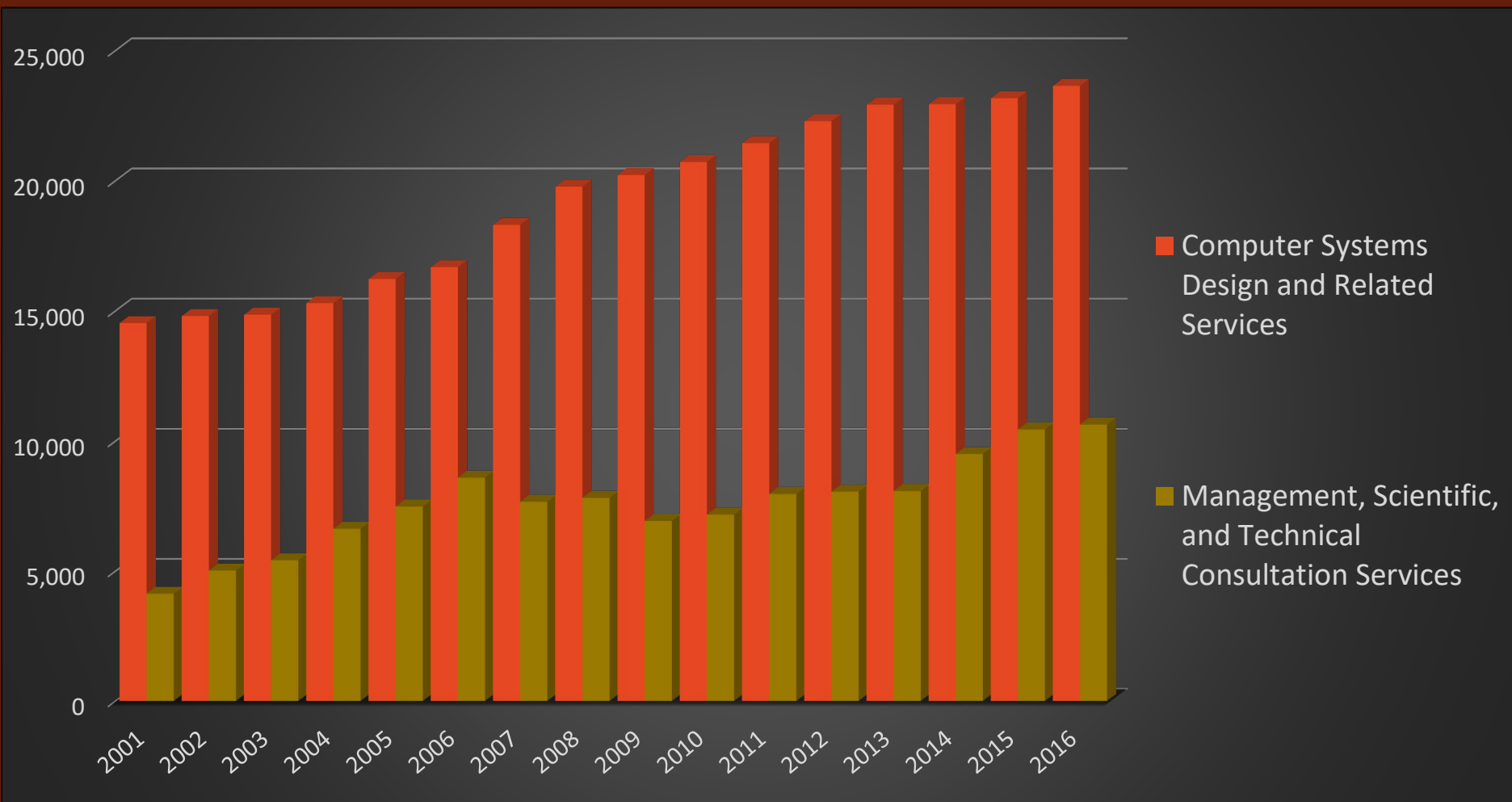


Development of Alabama's Information Technology Industry by Employment



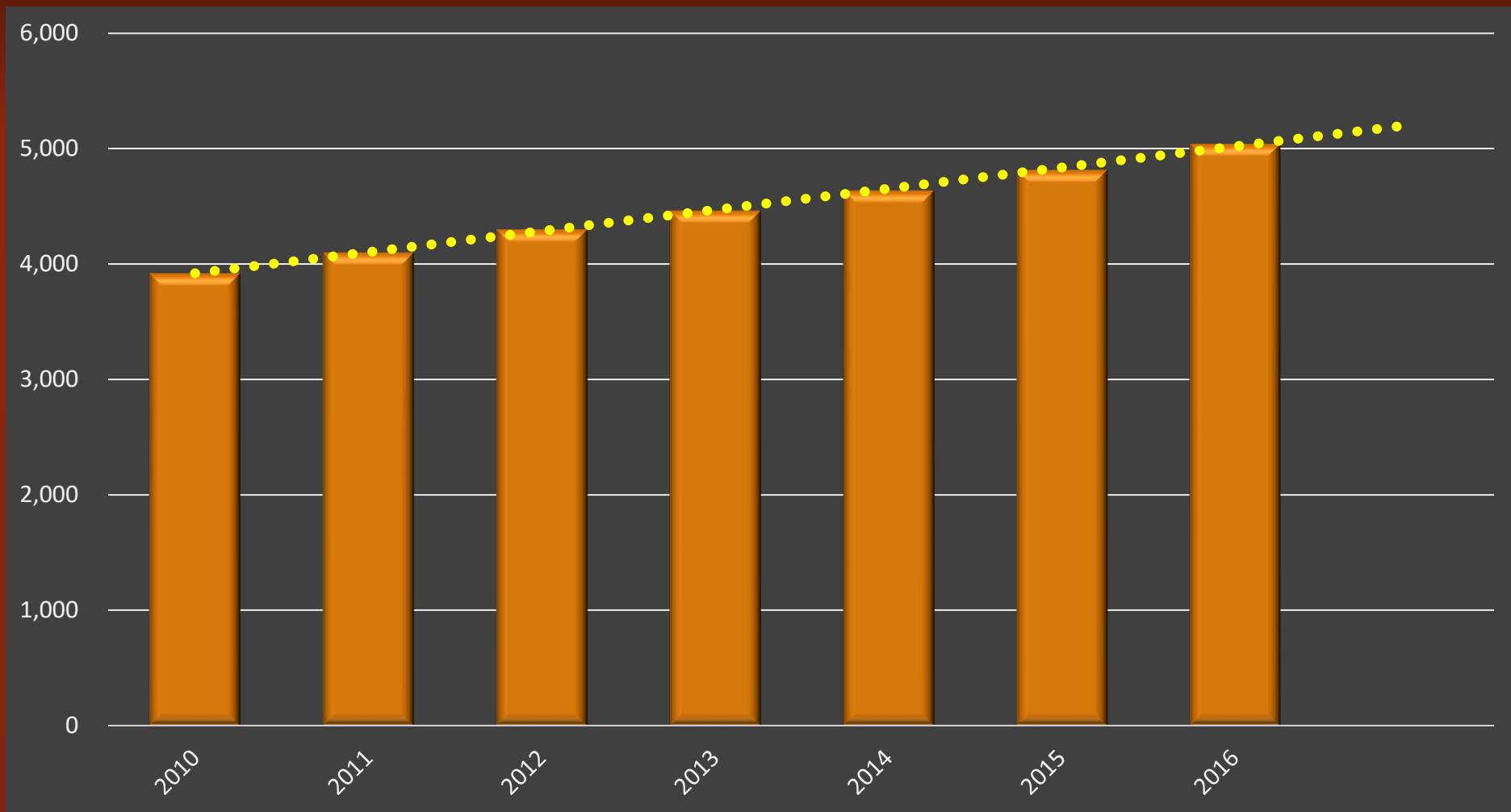


Development of Alabama's Information Technology Industry by Employment



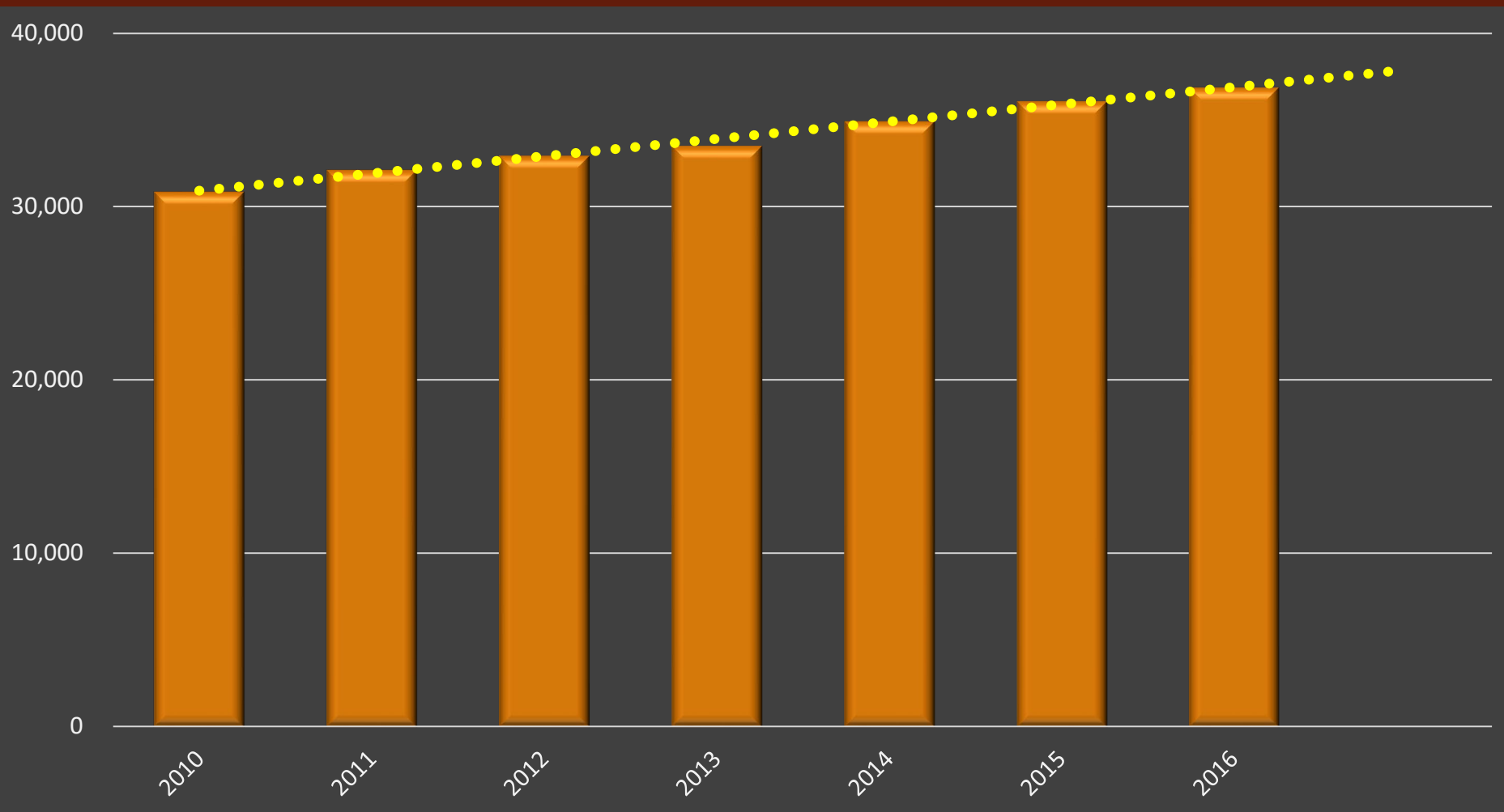


Cluster Change Since 2010 Total Establishment





Cluster Change Since 2010 Total Employment





Top Occupations for Information Technology by Rounded Employment

Occupations	# of Jobs	% of Total
Computer Programmers	2,930	8%
Software Developers, Applications	2,570	7%
Management Analysts	1,850	5%
Computer User Support Specialists	1,840	5%
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,500	4%
Computer Systems Analysts	1,490	4%
Software Developers, Systems Software	1,310	4%
General and Operations Managers	1,200	3%
Computer and Information Systems Managers	1,090	3%
Remaining Occupations	57%	20,900

Source: 2018 release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Annual wage information rounded to the nearest whole dollar. *Note: Data reflects wages across all industries, not specifically to respective industry cluster.*



Wage Information

Top 10 by Rounded Occupational Employment

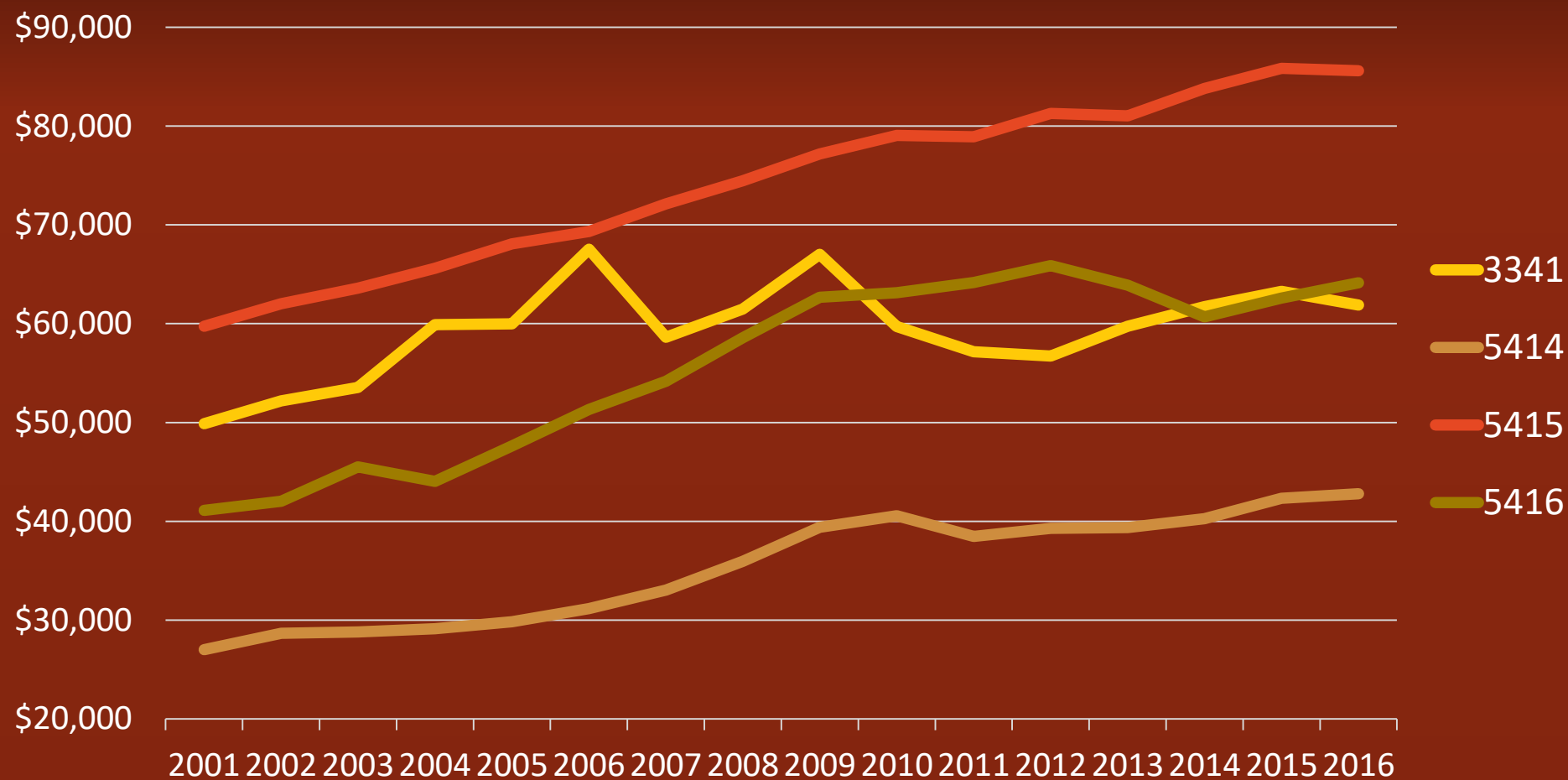
Occupation	Rounded Emp.	Mean Hourly	Mean Annual	Entry Hourly	Entry Annual	Experience Hourly	Experience Annual
Computer Programmers	2,930	\$42.17	\$87,706	\$26.04	\$54,161	\$50.23	\$104,478
Software Developers, Applications	2,570	\$44.40	\$92,359	\$28.17	\$58,598	\$52.52	\$109,239
Management Analysts	1,850	\$44.94	\$93,472	\$23.48	\$48,843	\$55.67	\$115,786
Computer User Support Specialists	1,840	\$23.33	\$48,528	\$15.21	\$31,636	\$27.39	\$56,974
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,500	\$16.72	\$34,785	\$12.00	\$24,950	\$19.09	\$39,702
Computer Systems Analysts	1,490	\$39.41	\$81,965	\$28.04	\$58,329	\$45.09	\$93,783
Software Developers, Systems Software	1,310	\$49.70	\$103,376	\$33.55	\$69,779	\$57.78	\$120,175
General and Operations Managers	1,200	\$58.04	\$120,726	\$29.20	\$60,731	\$72.46	\$150,723
Computer and Information Systems Managers	1,090	\$59.51	\$123,790	\$37.65	\$78,317	\$70.44	\$146,526
Customer Service Representatives	920	\$15.85	\$32,977	\$10.40	\$21,632	\$18.58	\$38,650

Source: 2017 release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics; wage data aged using the most current Employment Cost Index (ECI) factors. Annual wage information rounded to the nearest whole dollar. *Note: Data reflects wages across all industries, not specifically to respective industry cluster.*



Wage Information

Total Wages by NAICS Code 2001-2016





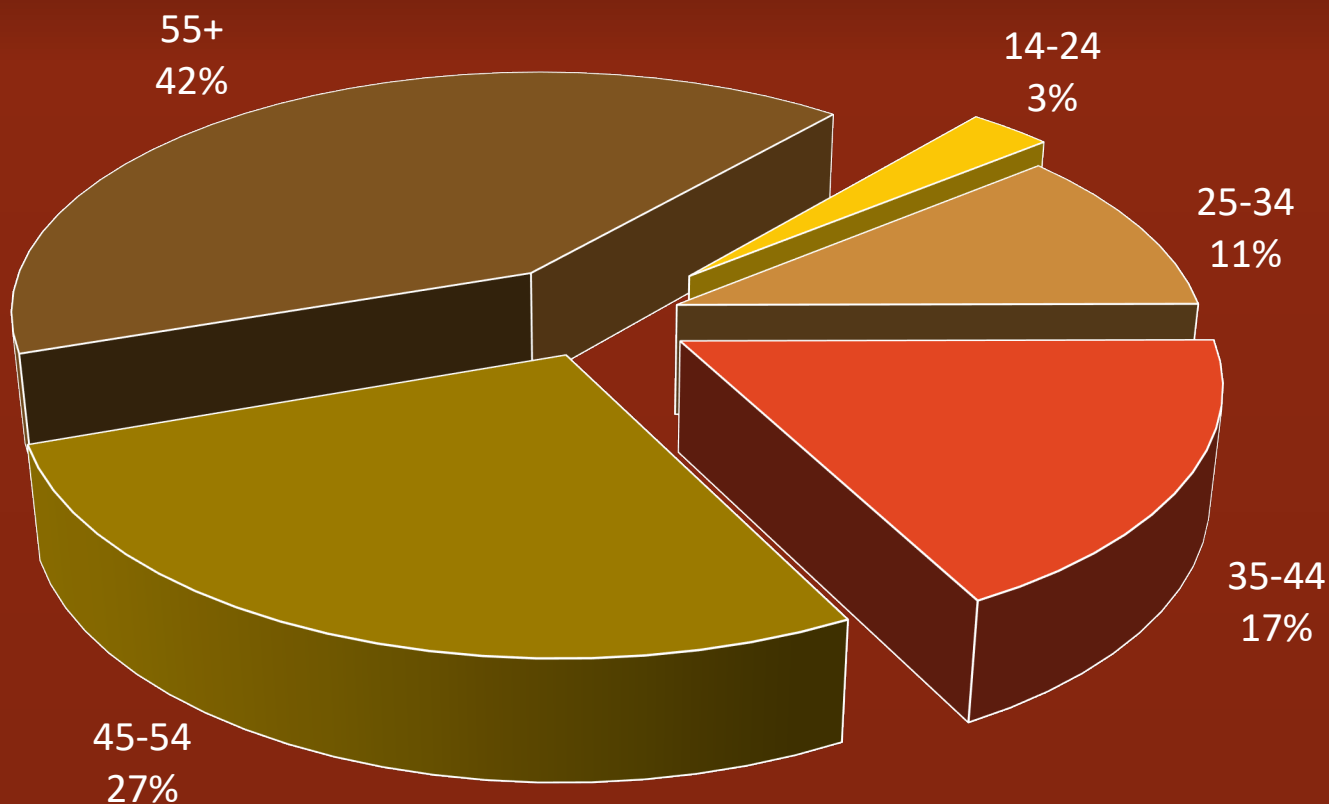
2016 Quarterly Workforce Indicators

NAICS	Industry	Average Turnover Rate	Average Job Gains	Average Net Job Flows	Average Monthly Earnings	Average Monthly Earnings – New Hires
3341	Computer and Peripheral Equipment Manufacturing	4.4%	31	23	\$4,683	\$3,068
5414	Specialized Design Services	9.1%	43	8	\$3,552	\$2,472
5415	Computer Systems Design and Related Services	6.4%	899	259	\$6,790	\$5,278
5416	Management, Scientific, and Technical Consultation Services	10.4%	569	109	\$5,208	\$3,875



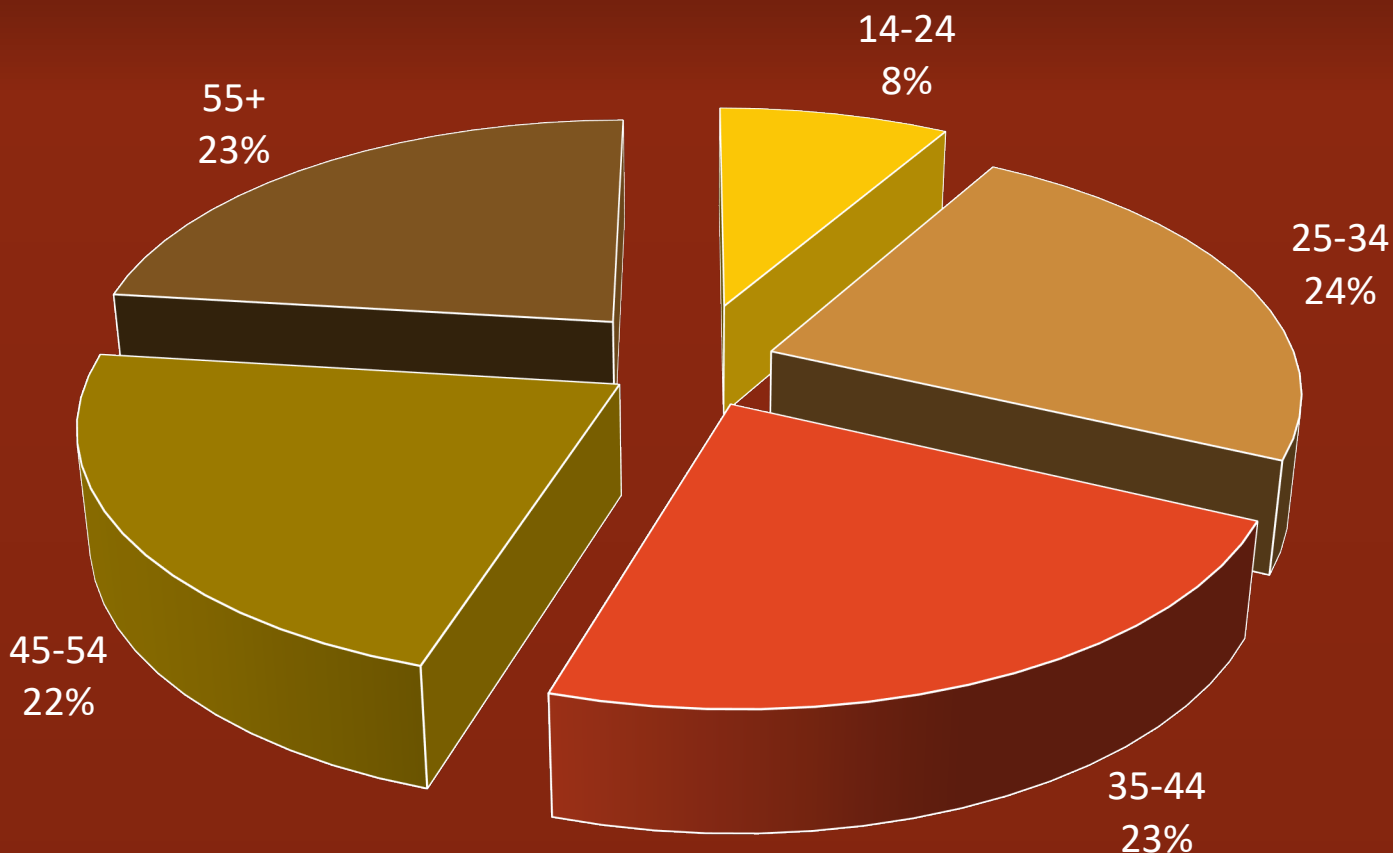
3341 Computer and Peripheral Equipment Manufacturing

2017 Average Annual Employment by Age Group



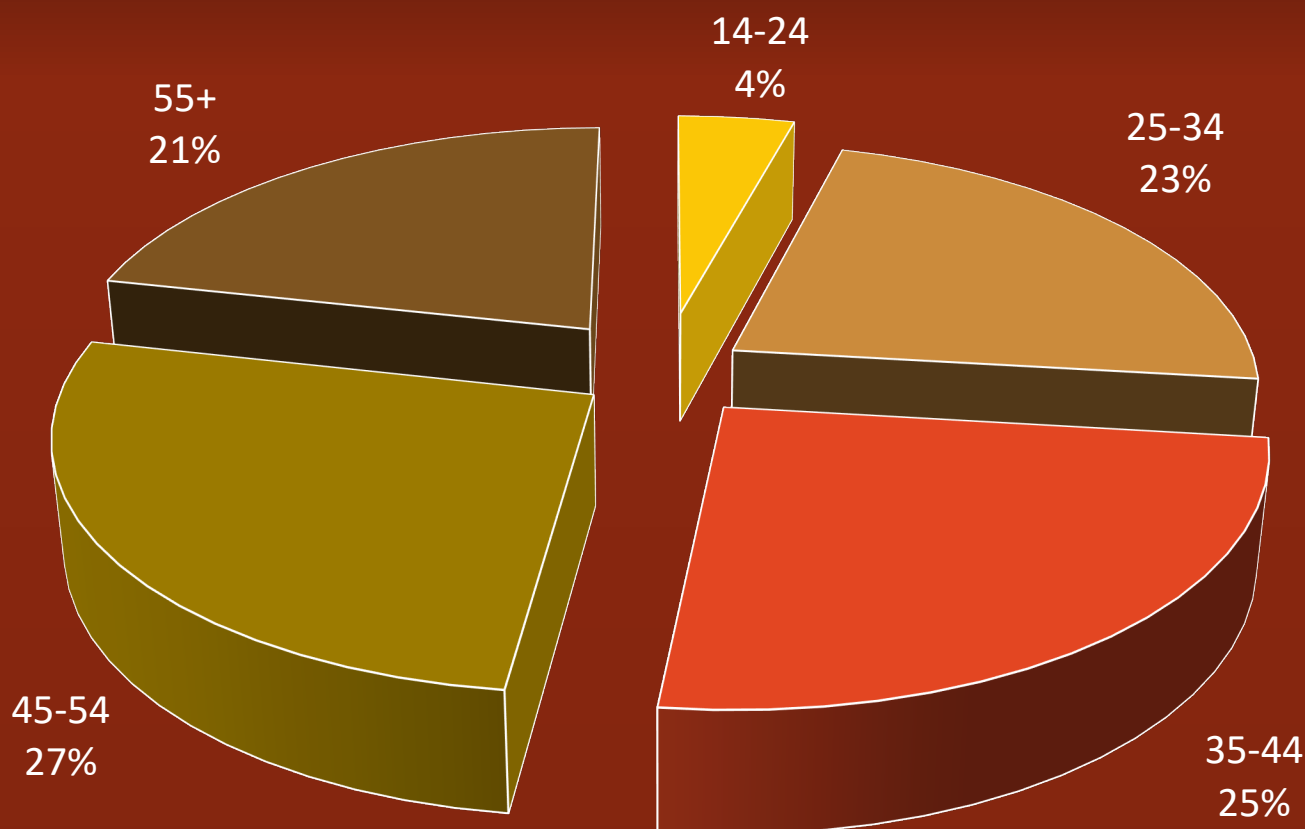


5414 Specialized Design Services 2017 Average Annual Employment by Age Group





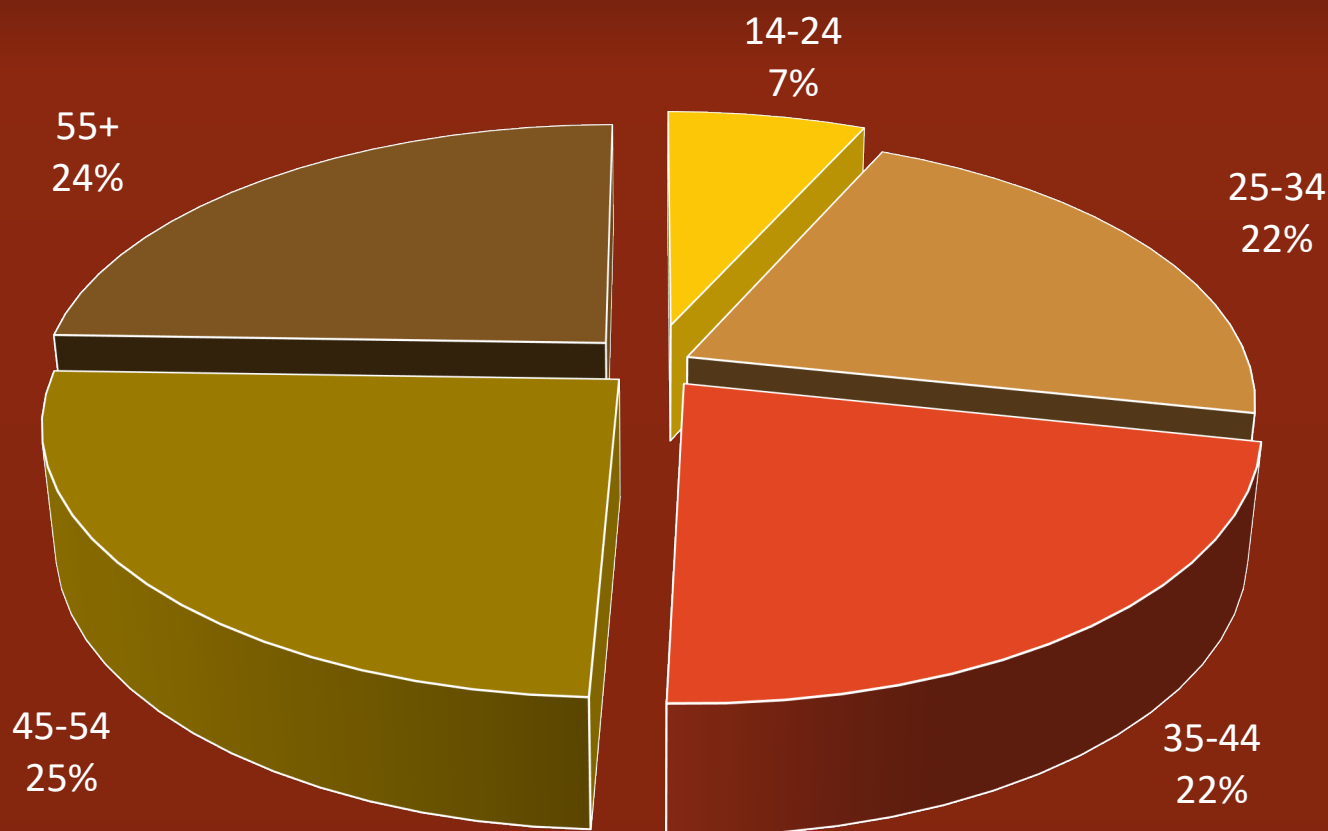
5415 Computer Systems Design and Related Services 2017 Average Annual Employment by Age Group





5416 Management, Scientific, and Technical Consultation Services

2017 Average Annual Employment by Age Group





Projections Information

2016 – 2026 Industry Projections by NAICS Code

NAICS	Industry	2016	2026	Net Change	Percent Change	Average Annual Growth	U.S. Average Annual Growth	Location Quotient
3341	Computer and Peripheral Equipment Manufacturing	1,940	1,780	-160	-8.25	-0.86	-1.51	0.80
5414	Specialized Design Services	640	690	50	7.81	0.76	0.62	0.31
5415	Computer Systems Design and Related Services	23,650	27,980	4,330	18.31	1.70	1.95	0.81
5416	Management, Scientific, and Technical Consultation Services	10,640	12,980	2,340	21.99	2.01	2.11	0.53



Major Information Technology Regions

Information Technology Industry Maps:

[Statewide](#)

[Region 1](#)

[Region 2](#)

[Region 3](#)

[Region 4](#)

[Region 5](#)

[Region 6](#)

[Region 7](#)